MULTIMEDIA UNIVERSITY

STUDENT ID NO

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# MULTIMEDIA UNIVERSITY

# FINAL EXAMINATION

**TRIMESTER 2, 2019/2020**

## DCI1013 – INTERNET APPLICATION

(For FCM-DIPLOMA students only)

5 MARCH 2020
9.00 am – 11.00 am
(2 Hours)

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**INSTRUCTIONS TO STUDENT**

1. This examination paper consists of **3** pages including the cover page.
2. There are **5** structured questions need to be answered.
3. Please write all your answers in the Answer Booklet provided.

**Structured Questions (Total: 50 Marks)**

*Instruction: Please write all your answers in the Answer Booklet provided.*

**QUESTION 1 (10 marks)**

1.1 Briefly describe the function of these THREE Internet-of-Things (IoT) components

i. Sensor [2 marks]
ii. Smart Tech [2 marks]
iii. Nano Tech [2 marks]

1.2 List down FOUR common applications of IoT. [4 marks]

**QUESTION 2 (10 Marks)**

2.1 The web is made of series of interaction between the client and the server. State FOUR common client domains in today's lifestyle. [2 marks]

2.2 What are the FOUR software that group together in a web stack package? Name them and give an example for each of software. [4 marks]

2.3 Sketch a diagram to show the interaction between the client and the server to support the web activities. [4 marks]

**QUESTION 3 (10 Marks)**

3.1 Define THREE different types of relationship and give an example for each type of relationship. [6 marks]

3.2 List down FOUR advantages of database management system (DBMS). [4 marks]

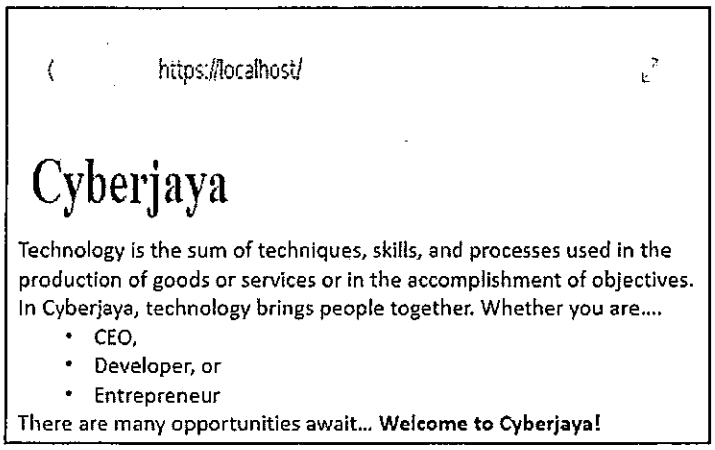
**QUESTION 4 (10 Marks)**

4.1 State FOUR reasons that make HTML5 the favourite option for most of today's web projects. [4 marks]

4.2 Refer to the output below (next page). Write the HTML code to get the exact output. [6 marks]

**Continued...**

**The Output:**


https://localhost/
Cyberjaya
Technology is the sum of techniques, skills, and processes used in the production of goods or services or in the accomplishment of objectives. In Cyberjaya, technology brings people together. Whether you are....
• CEO,
• Developer, or
• Entrepreneur
There are many opportunities await... Welcome to Cyberjaya!

**QUESTION 5 (10 Marks)**

5.1 Given incomplete CSS code:

```
p {
      //margin measurement;
  }
```

Complete the code of **margin measurement** with adding the margin property that based on below details:

- top – 25 pixels,
- right – 30 pixels,
- bottom – 25 pixels,
- left – 20 pixels. [2 marks]

5.2 In **style.css**, set the <title> element in Comic San font-type, font size to 25 pixels, and the font to appear in green colour. [4 marks]

5.3 Sketch the set of properties of the box model. [4 marks]

**End of Page.**